

Y-12 Will Observe Fifth Anniversary As Member Of Carbide Family On Next Sunday, May 4, 1952

High Level Of Plant And Community Service Shown By Employees

Y-12 will observe its fifth anniversary as a member of the Carbide and Carbon Chemicals Company family on next Sunday, May 4, 1952. It was on the same day—Sunday—back in 1947, that Carbide took over operations of Y-12 from Tennessee Eastman Corporation, under whose guidance the giant plant was constructed, placed in operation and produced the first Uranium 235 by the electromagnetic process.

The events of the past five years are a tribute to the high morale and sense of business and civic duty of Y-12ers. The personnel of Y-12 has taken the lead in many activities—both in the Carbide organization and the city of Oak Ridge—and their many achievements can well stand as a monument to the leadership and rank and file of the people of the plant.

Rucker First Superintendent

Since Carbide took over in Y-12 there have been three plant superintendents—with a fourth, Logan B. Emlet, taking over on May 1 of this year. The TEC operations were directed by Works Manager Dr. Fred Conklin and when Carbide came in, Claude N. Rucker, Jr., was the first superintendent. He remained until February 10, 1948, when he was transferred to Oak Ridge National Laboratory as director. Dr. Clarence E. Larson, who had been director of research and development in Y-12, succeeded Rucker and remained at the helm until January 19, 1950, when he also was transferred to ORNL as director and was succeeded by W. D. Lavers. Superintendent Lavers has announced his resignation effective May 1, when Logan B. Emlet, executive director of ORNL, will take over the position.

In the field of plant operations and activities the Y-12 record is superlative. Y-12ers have won five Company citations for exceeding 1,500,000 man-hours worked without a lost time accident. Other national safety honors also have been bestowed by the Atomic Energy Commission, the Joseph A. Holmes Safety Association, the National Safety Council and the National Fire Protection Association.

Using techniques taught in first aid training, teams from Y-12 took first place in two inter-plant first aid contests with teams from other Carbide units in Oak Ridge and finished third last year when a smooth team from the new Carbide unit at Paducah, Ky., took

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Six Y-12 Scientists Going To APS Meeting This Week

Six scientists from Y-12 will attend the annual meeting of the American Physical Society in Washington, D. C., this week. However, none is on the program to give papers at the meeting.

Attending the meeting from Y-12 will be Dr. C. P. Keim and Dr. Russell Baldock, of the Isotope Research and Production Division; Dr. Robert Livingston, Farno L. Green, Bernard L. Cohen and Roger Neidigh, of the Electromagnetic Research Division. Both are ORNL divisions working in Y-12.

The Great A-Bomb Robbery

Fuchs Hands Gold Secret Of Atomic Bomb 'Lens'

This is the sixth article of an 11-part series telling the story of "The Great A-Bomb Robbery" by Soviet Russia.

By **BOB CONSIDINE**
International News Service
Staff Correspondent
(World Copyright 1951 by INS)

Harry Gold, the inconspicuous spy, kissed his mother good-bye in their comfortable Philadelphia home one August afternoon in 1944 and when she pressed him as to where he was going—as the old lady often did—he winked suggestively. Gold hurried to a train and an hour and a half later was in New York. His date was with no girl. It was with Dr. Klaus Fuchs, working behind the shrouds of America's atomic bomb-building effort.

Gold did not emerge from the labyrinth of Penn Station. He bought an evening paper (to hand to Fuchs in return for the newspaper Fuchs would give him, enclosing priceless information) and stepped aboard a Brooklyn-bound subway, local. Three or four times during that trip to Brooklyn he hopped off his car just as the doors were closing and stood on sparsely populated platforms, making a pretense of reading but—in truth—furtively scanning the faces of those about him. Then he

He had his orders from a superior he knew only as "John" but who was Anatoli Yakovlev, vice consul at the Russian consulate in New York. He must exercise the most extreme caution not to be followed to his meetings with Fuchs. The meeting place this time was near the Brooklyn Museum of Art. But to Gold's consternation, Fuchs did not appear. Startled, Gold returned to Philadelphia and waited a tense week for their alternate meeting date. He returned to New York, waited with growing alarm for Fuchs at a corner on Central Park West, reading into each passing face the look of a government agent, then fled.

Gold And "John" Agitated

If Gold was agitated "John" was doubly so when the Philadelphia reported Fuchs' disappearance. Yakovlev had withheld from Gold the address in New York of the scientist. But now he gave it to him—128 West 77th. Gold went to the house and when a janitor answered his ring told the man he was there to return a book he had borrowed from Fuchs. In the book, which he had just bought, Gold had painfully copied Fuchs' signature.

"He left town," the janitor said. "Didn't say where he was going."

Yakovlev eventually dispatched Gold to Cambridge, Mass., and the home of Fuchs' sister and brother-in-law. Mrs. Elizabeth Heineman, completely innocent of the plot and of her brother's role in life, welcomed "Raymond" as a friend. Klaus, she said, had been transferred to some place in the Southwest. She added that before her brother left on his mysterious mission he told her she could expect him to visit her during the Christmas holidays. Forlornly, Gold left his phone number in Philadelphia and asked Mrs. Heineman to have Fuchs call him when he returned. He made two other fruitless trips to Cambridge, at "John's" demand.

Russian Furious At Gold

Yakovlev was furious with Gold for losing track of a man who had become, since his arrival in the United States as part of a British atomic team which United States authorities had agreed not to investigate, the most important spy in the entire Communist network throughout the world. Gold mewed pitifully for another chance to

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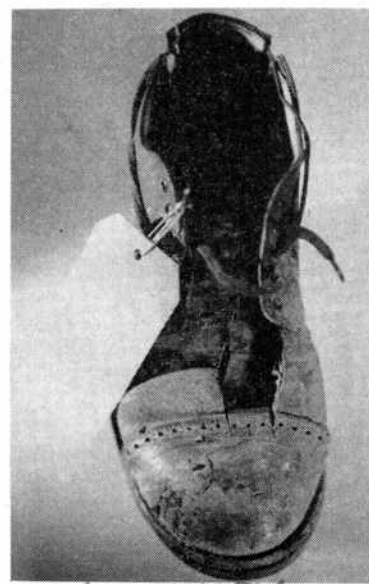
Y-12 Travelers Leaving Continental U.S. Are Requested To Give Plans For Journey



Any Y-12 employee who plans to leave the continental United States on business or vacation trips is urgently requested to communicate with the Y-12 Security Office, Bldg. 9704-2, at least two weeks in advance of departure.

The traveller will be asked to submit information on several points, such as length of employment in Y-12, proposed length of time out of the country, what contacts are planned outside of the country and the port of exit and return to the United States.

"Outside the continental United States" applies, of course, to Canada, Mexico and Cuba, frequently visited by Y-12ers on vacation trips in past years.



Y-12 Photo By Vince Moore

THE CRUSHED SAFETY shoe and the shattered safety goggles shown above can be consigned to the junk yard—but because of their effectiveness their wearers need not head for that destination—as long as they continue to take advantage of the safety equipment available to all Y-12ers. See story in next column.

Clean-Up Activities In Y-12 Tops 1951

A survey of activities in Y-12 during Clean-Up Week observed April 14-20 revealed considerably more accomplished this year than in 1951, according to Fire Chief W. O. Elam.

During the 1951 observance a total of 140 meetings attended by approximately 3,500 employees were held to discuss ways and means of improving the appearance of the Y-12 area and remove fire and accident hazards. A total of 170 inspections were made throughout the plant to seek out any possible hazards and opportunities to clean up the area. In 1951 only 119 meetings were held, attended by 2,305 employees and 138 inspections reported.

Previously it has been reported that 250 truck loads of combustible material and 500,000 pounds of scrap metal had been removed from the area during Clean-Up Week.

Y-12er's Daughter Is Ridge Spelling Bee Representative

Nancy Croft, 13, daughter of C. R. Croft, of the Y-12 Materials Chemistry Division, will compete with the best spellers of Knoxville and nearby areas tonight for the Southern Appalachian spelling crown. Miss Croft won the Oak Ridge contest last week.

The Oak Ridge winner is an eighth grade pupil at the Jefferson Junior High School, where she has an excellent scholastic record.

The winner of the Knoxville contest tonight will receive a week's trip to Washington, D. C., and an encyclopaedia set.

Safety Equipment Use Can Prevent Serious Mishaps

180 Minor Accidents Caused By Failure To Use Protective Aids

Intelligent use of safety equipment provided by the Company has been a big factor in keeping the overall accident rate down in Y-12. However, during the first three months of 1952 a total of 180 minor accidents, not involving loss of working time on the part of employees, were caused by failure to properly use, or not use at all, such safety equipment.

These 180 minor injuries laid to lack of using available safety equipment were among the 1,051 minor mishaps recorded in Y-12 during the first quarter of this year. Any one of them, the Safety Department point out, might easily have been a major, or lost time, accident.

Equipment Available and Issued

It is the Company policy that where work is being done that involves any possible hazard to an employee that might be countered by the use of safety equipment, that equipment is available and issued. In many cases use of such safety equipment is mandatory.

Among the safety devices available and used by Y-12ers are goggles, face shields, hard hats and other equipment. The Company also encourages the use of safety shoes wherever there is a chance of a foot injury.

How Y-12ers Were Saved

Within the last few days there have been two minor accidents in Y-12 that probably were confined to that class, instead of being more serious, because the employees involved were using the safety equipment available.

In one, a mechanic in Field Maintenance reported:

"I bent over to pick up a pump base and as I lifted it clear of the floor I found it was oily on the bottom. It slid through my hands and landed on my right big toe. The base weighed about 100 pounds and bent the safety cap of my safety shoes."

The shoe, shown in an accompanying photograph, undoubtedly saved the employee from at least possible broken bones. As it was, he escaped with only a bruised foot.

Value Is Demonstrated

The value of safety goggles has been proved many times in Y-12. In the other recent accident, a moulder in a plant foundry was using a mechanical stirrer in a metal melting pot. He was wearing a face shield and goggles. When he cut off the stirrer he raised the face shield. However,

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SAFETY SCOREBOARD

Your Plant Has Operated
20 Days

Without A Lost Time Accident*

Through April 27

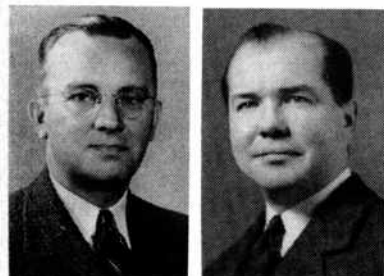
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Two Union Carbide Officers Promoted To Higher Positions



Remmers

Hannan

The election of Walter E. Remmers as Vice-President—Alloys Division, Union Carbide and Carbon Corporation, has been announced by Fred H. Haggerson, Chairman of the Board. The election of Kenneth H. Hannan as Treasurer of Union Carbide was announced at the same time.

Mr. Remmers joined Union Carbide in 1936. He has been President of Electro Metallurgical Company since 1948, and President of United States Vanadium Company since 1950. Both Companies are Divisions of Union Carbide and Carbon Corporation.

Mr. Hannan joined the Law Department of the Corporation in 1936 upon graduation from Yale Law School. He served in the U. S. Navy from 1941 through 1945, rising from the rank of ensign to lieutenant commander. Returning to the Finance Department of Union Carbide, Mr. Hannan became Secretary and Assistant Treasurer of the Corporation in 1949.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Lyle E. Bellamy and Hobart C. Peters, Guard; Ernest W. Coots, Maintenance Shops; Paul H. Stewart, Ray W. Presson and Othel W. Breedlove, Administrative Normal; Addie D. Lynch, Analytical Laboratory; William J. Rollins, Field Maintenance; Milton Jennings and Mable C. Butcher, Administrative Product; Frank J. Blair, Electrical Maintenance; Paul B. Petretzky, Chemical; John C. Bishop, General Administrative; Roberta McCutchen, Analytical Chemistry; Belitha Henley, Janitors.



Three Y-12 employees were listed as parents of babies born recently at the Oak Ridge Hospital. Lawrence E. Sikes, Field Maintenance, became father of a girl April 18. O'Dell Loyd, Maintenance Shops, became father of a boy April 21. Edwin E. Oliver, Electrical Maintenance, became father of a girl April 22.



VOLUNTEERING THEIR SERVICES ALONG WITH OTHER OAK RIDGERS, CARBIDE employees are active in membership on the Talahi District Committee of the Boy Scouts of America. Committeemen shown above are, sitting from left, S. L. Sullins, K-25 and former Y-12er; Malcolm Holmes, K-25; and C. E. Engle, Atomic Energy Commission. Standing are L. M. Groeniger, AEC; Don McKay, The Oak Ridge; G. S. Brackett, AEC; W. D. Lavers, Y-12 Plant Superintendent; N. H. Marsden, AEC; E. E. Beauchamp, Oak Ridge National Laboratory; J. J. Horton, ORNL; H. F. Henry, K-25; D. I. Weinberg, General Electric; R. J. Dunbar, AEC; D. W. Yambert, Boy Scout Field Executive; George W. Flack, Y-12; and C. E. Hudson, Scout Executive of the Great Smoky Mountain Council.

Y-12 Photo By Vince Moore



Well, they'll be off and running come Saturday in the old Kaintuck Derby. Liable to be a lot of Y-12ers up there, trying to pick some winners. Best luck—and who do you like?

The Chemical Department welcomes **Wayne R. McClellan** back to the roster after his discharge from the Marine Corps . . . Sincere sympathy is extended to **Rubye McCloud** and to her husband, a K-25er, on the recent death of his father in Lebanon, Va. . . . Get-well wishes are extended to **Paul Petretzky**, who was a patient in the Oak Ridge Hospital last week . . . Wishes for a speedy recovery go to **U. R. Kirk** and to **Jim Arrington** . . . **John Kennedy** spent last week's vacation at his home in Leinarts, Tenn. . . . **M. E. Kerney** spent his week of vacation in Kingsport. . . . And **T. W. Berry** vacationed at home in Coryton, Tenn., last week . . . **A. V. Kidwell** has returned from a week's vacation . . . **Bill Whitson** came back from his Florida vacation on which he was accompanied by his parents, his wife and daughter, Nancy—with glowing reports of his fishing luck down that day, a 12-pound bass being his pride and joy. His daughter, Nancy, came down with the measles which was the only damper put on the fun.

Congratulations are extended to **James Patrick Kirk**, of Field Maintenance, who is a proud grandpa. He received news early this week of the birth of a son and namesake to his daughter, Mrs. Raymond E. Loy (nee Patricia Kirk of ANP.) Loy was formerly with Fairchild here. The Loy's moved to California shortly after their marriage two years ago; and are now living in Long Beach.

Jodie Brown, of Medical, is vacationing this week at her home in Viola.

W. M. Reynolds, of the General Maintenance Offices, and his wife spent a recent week of vacation in Muncie, Ind. . . . The department welcomes **Helen Stone** back to work after a week of illness . . . Get-well wishes go to **Wanda Sadler**, who is confined to her home in Harriman with the flu.

Stores extends sympathy to **W. K. Palmer**, whose mother, Mrs. Lula D. Palmer, died April 22, in Clayton, Mo. . . . The department welcomes **Ruth West** back to work after several weeks of illness . . . A welcome goes to **John Henley**—latest addition to the roster . . . **Jackie Tankersley** has returned from a week of vacation . . . **R. C. McGuffin** is vacationing this week

at home in Harriman . . . **Oscar West** spent the week end in Johnson City.

The Tools Department welcomes **P. H. Redmon** and **M. R. Redmon** to the roster.

Property Sales extends sincere sympathy to the **R. H. Sanfords** on the loss of their little daughter in a recent automobile accident. . . . **O. W. Patrick** is vacationing this week at his home in Petros.

The Safety Department welcomes **M. H. Perry** to the roster.

Bobbie Jean Jesse, of Plant Records, and her husband, Don, spent a recent week end with her parents, Mr. and Mrs. George Kincaid, in Athens, Tenn. . . . **Charlie Bain** had friends visiting her from Virginia, over a recent week end.

Join the Air Force and see the country—is the brief history of service by **Sgt. Joseph D. Underwood**, son of **T. C. Underwood**, of the Y-12 Maintenance Shops. He now is in flight training at Larson Field, Moses Lake, Wash., after previous stints at George Air Force Base, Victorville, Cal., Lackland Field, San Antonio, Tex., Mather Field, Sacramento, Cal., Chanute Field, Ill., and at the A. and E. Technical Schools, Dallas, Tex. He enlisted in the Air Force in 1947 after graduating from Oak Ridge High School. The Underwoods formerly lived at Smithville, Tenn.

Carl Bryant, of the Guard Department, and his wife, **Dixie**, of the Cafeteria, visited relatives and friends in Kentucky, while on vacation last week . . . **Lieut. J. M. Patterson** is spending his two-week vacation loafing around home in Knoxville . . . **T. R. Smith** is on two weeks of vacation. . . . Fellows on vacation this week from the department are **C. H. Oaks**, **J. D. Hopkins**, and **Paul Surber**.

Emmett Moore, of the Fire Department, spent last week's vacation fishing. We have yet to learn what luck he had . . . A welcome goes to **H. L. Miller**, latest member of the department.

The Superintendents Department welcomes **Nelson Bethea** back to work after several weeks of illness . . . Sympathy is extended to **Clarence Schuske**, whose mother, Mrs. Minnie Freda Schuske, died April 21, at his home here where she had been visiting for some time.

Receiving and Shipping welcomes **Harvey Gardipee** to its roster.

Congratulations are extended to **E. E. Oliver**, of Electrical Main-

tenance, and his wife, **Jean**, a former Y-12er in Health Physics, who are the proud parents of a baby girl, born April 22 at the Oak Ridge Hospital, weighing five pounds and one ounce. The Olivers have a 21-month-old son . . . **H. R. Bailey**, **M. W. Jones** and **C. M. Davis** were on last week's vacation list.

Fred Sexton, of Personnel, is spending his vacation this week working on the plans for his new house near Knoxville.

Pat Ravage, of Materials Chemistry, vacationed in Miami, Fla., last week . . . **Frances Gilliam** spent the week end with her daughter at Duke University, in Durham, N. C. . . . Congratulations are extended to **M. J. Fortenberry** at the birth of a baby son on April 19.

E. Cobble, of Buildings and Grounds, and his wife, **Lillie**, of Transportation, are spending this week's vacation fishing in the local lakes and streams; and traveling wherever fancy takes them.

W. A. Bell, Jr., of Isotope Research, and his family are vacationing this week in Nelly, Miss., and in Mobile, Ala.

Opal Neeley, of the Assay Laboratory, spent the week end at her home in Bristol, Va. . . . **Opal Kristich** was at her home in Gainsboro, Tenn. . . . **Otto Briscoe** spent all his time fishing while on vacation last week . . . Hearty congratulations are extended to **Elsie Dodson**, formerly in the department, on the birth of a boy last week at St. Mary's Hospital in Knoxville . . . Congratulations are also extended to **Herbert R. Guinn**, who became a proud papa April 16, when his son was born at the Oak Ridge Hospital . . . Get-well wishes are extended to **Florence Robbins**, who is ill at her home in Oneida, Tenn.

Marie Dinsmore, of the Analytical Laboratory, and her husband, **John**, of General Administrative, had as guest over the week end Miss Ann Ford of Detroit, Mich. . . . **Rosemary Cabbage**, **Billie Braden** and **Katherine Dalton** drove down to Atlanta, Ga., over



GRICE - KELLY

Miss Lou Hope Kelly, of the Y-12 Assay Laboratory, was married at 8 o'clock Saturday night, April 26, to Roy M. Grice, Jr., of the University of Tennessee. The ceremony was performed at the Oakdale Methodist Church by the Rev. J. M. Wood, pastor.

The bride is the daughter of Mr. and Mrs. J. V. Kelly, of Pennington Gap, Va. Grice is the son of Mr. and Mrs. R. M. Grice, Sr., of Oakdale. He is a graduate of the University of Tennessee and is working on his master's degree there.

The bride was given in marriage by her father. At her wedding she wore a white lace gown of ballarina length with a finger tip veil and white slippers. She carried a basket of spring flowers. During the ceremony nuptial music was provided by Miss Mildred Kelly, sister of the bride.

Mrs. Margaret Scott, of Chattanooga, was matron of honor. Ushers were Vincent Kelly, brother of the bride; and Russell Scott, of Chattanooga.

Following the ceremony a reception was given at the home of Mr. and Mrs. Walter Patching at Oakdale.

Several fellow employees of the bride attended the ceremony and the reception.

Mrs. Grice attended Lincoln Memorial University at Harrogate, Tenn.

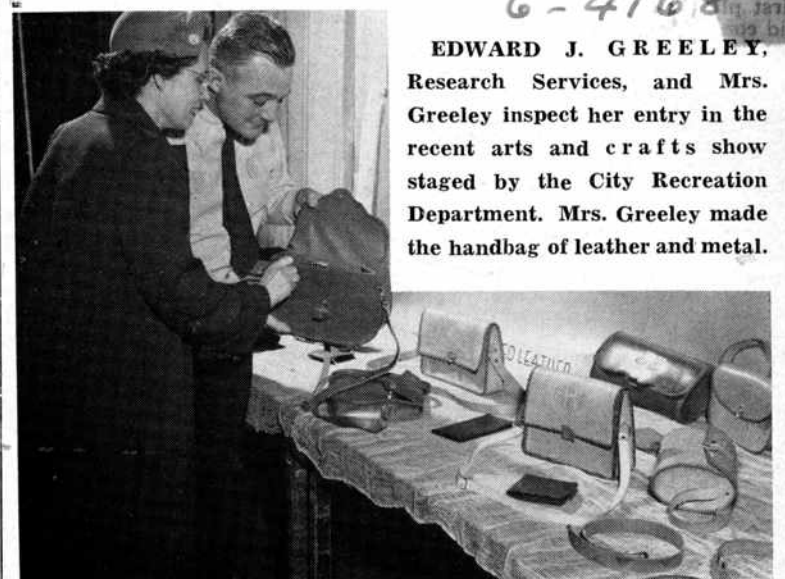
The couple will live in Fountain City.

the week end on a shopping spree. . . . **Lodean Butler** and her family spent the week end in McKenzie, Tenn. . . . **Maggie Bloomer** and her husband were in Gate City, Va., over the week end . . . **Jim Moore** made a catch of 49 fish, mostly crappie, on a recent fishing jaunt over to Watts Bar. . . . Congratulations to **Bill Dodson**, who is the father of a seven-pound 13-ounce baby boy born April 23. . . . The department welcomes **Dennie Ledford** back to the roster. . . . And a welcome back to **Frances McKnight** after a recent illness . . . Get-well wishes are extended to **Wanda Parrett** . . . Also get-well wishes to **Bill Harper**, who is a patient in the Oak Ridge Hospital . . . **Earline Banic** and her husband, **George**, of Isotope Research, vacationed at Daytona Beach, Fla., last week . . . Folks in the department are missing **Edwina Charles**, who terminated last week; and **Bill Swartz**, who also terminated recently.

Don't give up, girls—it is still leap year.

SECURITY TIGHTENED

The U. S. News and World Report says British Prime Minister Winston Churchill is personally responsible for the order jacking up security in Britain's atomic energy program. The action followed United States complaints about British laxness.



EDWARD J. GREELEY, Research Services, and Mrs. Greeley inspect her entry in the recent arts and crafts show staged by the City Recreation Department. Mrs. Greeley made the handbag of leather and metal.

PLANT SOFTBALL LOOP WILL OPEN ON MONDAY

Bumpers Defeat All Stars For B Loop Round Crown, Will Battle Comets, Wolves

The Bumpers turned in a three point victory over the All Stars last Thursday night in the last night of play in the B League to clinch the third round title. The winners will meet the Comets, first round winners; and the Wolves, second round titlists; in a three-way play-off for the season's championship. The Bumpers had been threatened for the past few weeks by the Rippers, but the One-91 team put the kibosh on the challengers by holding them to an even split.

The last place Bldg. 9211 keglers, who had not won a decision for the entire round of play, ended the season in a blaze of glory with a four point whitewash victory over the Wolves. Other results saw the Wasps beating the Tigers, Rebels trimming the Bums, and Cubs curbing the Comets, each by a three point margin.

Ernie Cobble, veteran bowler for the Bumpers, had most of the individual scoring honors with a 202 scratch game, 222 handicap game and 539 scratch series. Dunlap, of the Rebels, had a 627 handicap series for tops. The Rebels had the best team game scores with a 873 scratch and 1025 handicap. The Bumpers' 2427 scratch series was best of the night as was the 2901 handicap series by the Bldg. 9211 team.

Final standings for the third round of play follow:

Team	W	L
Bumpers	33	11
Rippers	31	13
Wasps	29	15
Rebels	26	18
Bums	24	20
Tigers	23	21
Cubs	22	22
Wolves	20	24
All Stars	19	25
Comets	17	27
One-91	10	34
Bldg. 9211	10	34

Woes Clinch Title In Women's Loop, Controllers Second

The Woes (Wives of Employees) bowling team repulsed a last effort by the Striketettes last week in the W League, clinching the seasonal championship. The Woes previously had finished first in the opening half of the season. The victory was by two out of three games. In the remaining matches the Controllers advanced past the Striketettes for second place in the final round by blanking the Hi Balls. The Mix Ups broke the deadlock with the Make Ups by taking a pair of games and the Cracker Jax licked the Kemps by the same margin.

The league will hold its final roll-off this week to determine final positions. There were two ties prior to the roll-off session.

Although defeated, the Kemps walked away with most of the team scoring honors for the night and had the two top individual scorers for the session. Ruby McGinnis had a 214 scratch game, increased to 254 with handicap. Mavis Koons posted a 491 scratch series to get a 620 handicap series. The team registered a 769 scratch game, 984 handicap game and 2123 scratch series. The Cracker Jax eked out the best handicap series with 2778 to 2768 for the Kemps.

In computing standings for the roll-off total pinnage is considered when the teams are tied in the won and lost column.

The standings at the end of the second half of play follows:

Team	W	L
Woes	30	15
Controllers	25	20
Striketettes	25	20
Kemps	22	23
Mix Ups	22	23
Make Ups	21	24
Cracker Jax	21	24
Hi Balls	14	31

Toppers Tie Vectors For Top In Last Round Of D League; Roll-Off Victors Meet Grocers

The second half of the D League race ended in a driving photo finish dead heat last week when the Toppers closed fast in the stretch to take three points from the league leading Vectors to tie up the loop standings.

These two teams are scheduled to clash in a roll-off this week to determine the championship of the final round of play in the plant bowling circuit and the winner will meet the Grocers, first half champions, for the season's league championship and the honor of meeting winners of the other loops for the plant title.

The Grocers pounded up from behind and missed the second half by only two points. The ANP took four points from the Old Men, throwing the losers into a deadlock with the Activators with these two teams fighting it out this week for fourth place money. The Activators got into the act with a three point victory over the Hoboes. In other clashes of the schedule last week the rapidly rising Isotopes, the hottest team in the league in the last few weeks of play, sprang out of the cellar by burying the Woodchucks in the basement with a whitewash defeat.

In their drive upward last week the Grocers took all team scoring honors with scores of 917, 1080, 2533 and 3022 across the board, the scratch series of 2533 being high for the second round of play. Kenyon, of the Grocers, had most of the individual honors with a 224 scratch game, 578 scratch series and 665 handicap series. Scott, of the Toppers, had a 255 handicap game for tops.

League standing at the end of the regular second round of play schedule follows:

Team	W	L
Vectors	40	24
Toppers	42	24
Grocers	38	26
Old Men	32	32
Activators	32	32
Hoboes	28	26
Isotopes	24	40
Woodchucks	22	42

STANTON APPOINTED RECREATION ASSISTANT

William H. Stanton, known to most Y-12 sports participants and fans as Bill, has been assigned to the Y-12 Recreation Office as assistant to Recreation Supervisor Arnold Tiller. The heavy recreation program offered Y-12ers this summer required the addition of an extra man in the office. Stanton is experienced in the post, having served in a similar capacity back in 1948. Bill was transferred from the Administrative Normal Department in Bldg. 9212 to his new assignment.

Remember—Only you can PREVENT FOREST FIRES!

Y-12 SPORTS

6-4767



Y-12 Photo By Vince Moore

THE TOP SCRATCH DOUBLES team in the recent All-Carbine Bowling Tournament were Y-12ers Len Hart, left, and Paddy Peckman. They posted a 1105 score. Their handicap marker of 1216 only gained a tie for 18th place. Other Y-12 keglers also won numerous prizes in the event.

Turf Riders, Fatties Lead Golf League With Perfect Marks

The Turf Riders and the Fat Boys pulled out in front of the pack in the Y-12 Golf League last week with two point victories over the Rough Riders and Four Woods, respectively. The Eagles, Shankers and Grand Slammers also were victorious last week, taking two points each from the Hooks, Four 100s and Bldg. 9212.

The schedule for the week beginning next Monday, May 5, sends the Shankers vs the Turf Riders, Four 100s vs Rippers, Rough Riders vs Eagles, Hooks vs Grand Slammers, Four Woods vs Bldg. 9212 and Fat Boys vs bye.

Scores last week were slightly higher than in the opening week. Jake Meece, of the Shankers, had a 37 round for low scratch and Bob Orrison's 35 was low handicap. The Turf Riders posted a 167 round scratch and were tied with the Grand Slammers for a 150 handicap round.

Team	W	L
Turf Riders	4	0
Fat Boys	4	0
Rippers	2	0
Eagles	2	2
Hooks	2	2
Shankers	2	2
Four 100s	2	2
Grand Slammers	2	2
Bldg. 9212	0	2
Four Woods	0	4
Rough Riders	0	4



Y-12 Photo By Vince Moore

THE MIX-UPS BOWLING TEAM OF THE WOMEN'S LEAGUE has been mixing things up for opponents considerably during the just finished season. Last week they took two games from the Make Ups and will face the same team in the final roll-off this week. In the rear, from left, are Nazy Carson, Ida Abrams and Mary Cusman. In front are Joan Pepper and Mary Brewer Sladky.



AS NICE A MESS OF SAUGER as one would want to see was the string caught by E. K. Faust, Jr., of Buildings and Grounds, above, recently at White Wing Bridge from the headwaters of Watts Bar Lake. One nice striper, at right on the string, also was landed. The big sauger, at left, has been entered in the Y-12 Fishing Contest by Faust.

Varsity Softballers Set Practice Games For Coming Week

In tune-up games pending opening of their regular seasons, the Y-12 varsity softballers have scheduled practice games with other Oak Ridge Carbide teams for next week. Both of the twin bills are scheduled for the Middletown grounds, home field of the Oak Ridge teams this season.

The Y-12ers will clash with the Oak Ridge National Laboratory teams on next Tuesday night, May 6, the men's game starting at 6 o'clock and the women's at 7:30 o'clock. On Friday night, May 9, the Y-12 lassies will play the K-25 women at 6 o'clock and the men's team will meet the K-25ers at 7:30 o'clock.

The Y-12 teams will begin actual play-for-keeps competition on Saturday night, May 10, when they will go over the mountains to Canton, N. C., for a pair of games with the home teams of that hamlet. The Knox-Ridge leagues slates open the following week with the Mascot men invading Oak Ridge to meet the Y-12 men's team on Monday night, May 12. On the next night, Tuesday, May 13, the Corryton lassies will come out here to meet the Robins.

Meanwhile, the Y-12 squads will hold drills on Tuesday, April 29; and Friday, May 2. On the first date the women will practice at 7:30 p. m. and the men at 9 p. m. On May 2 the men will drill at 6 p. m. and the women at 7:30 p. m.

170 Buy Tickets For Fishing Rodeo

That big splash heard last Saturday morning on several favorite fishing holes around East Tennessee probably was caused by some of the 170 entrants in the Y-12 Fishing Rodeo—or probably several in unison—dropping lines in the water in search of fish and prizes.

The rodeo will close at midnight, Sunday, May 4, and entry blanks with a full record of the finny victims must be turned in to the Y-12 Recreation Office, North Portal, not later than Monday, May 5. Valuable prizes will be awarded winners in the rodeo, the awards to be purchased from the entrance fees of 50 cents per person charged for the event.

Two Circuits Will Be Formed To Equal Play

15 Teams Are Reported Ready For Diamond Doings At Pinewood

With 15 teams reported ready for action, the Y-12 Softball League will open hostilities next Monday night, May 5, at Pinewood Park. In an effort to separate the stronger and weaker teams, the full 15 teams will play a round robin for three weeks after which the loop will be divided into two circuits—probably the Carbon and Carbide Leagues—to assemble the teams on a more even basis. The membership in the two leagues will be determined by the won and lost standings after the three-week period with the top teams in one loop and the others in the second.

Nelson Tibbatts was elected president of the league at a meeting held last Friday at the Recreation Office of team managers. A board of control composed of Ward Foster, R. S. Phillippi and John Snyder also was named to hear any protests or disputes that might arise during the season.

Teams slated to compete in the league are the Engineers, Rusty Nine, Hobslurps, Grocers, Uranium Control Junior Varsity, All Thumbs, 49ers, Bldg. 9212, Duds, Sparks, Short Circuits, Guards, Bldg. 9211, Bums and Health Physics.

The schedule for the first week follows:

May 5—5:45, Engineers vs Hobslurps. 7:15, Rusty Nine vs Grocers. 8:45, UCJV vs All Thumbs.
May 6—5:45, 49ers vs Bldg. 9212. 7:15, Short Circuits vs Guards. 8:45, Duds vs Sparks.
May 7—5:45, Bldg. 9211 vs Bums. 7:15, Health Physics vs Engineers. 8:45, Guards vs Grocers.
May 8—5:45, Bldg. 9211 vs Rusty Nine. 7:15, Sparks vs All Thumbs. 8:45, Short Circuits vs UCJV.
May 9—5:45, Bldg. 9211 vs Hobslurps. 7:15, Duds vs Bldg. 9212. 8:45, 49ers vs Health Physics.

Meeting Is Called For May 5 To Talk Summer Pin League

Who's for a summer bowling league for Y-12 keglers?

Considerable interest has been shown around the plant in the formation of such a circuit and the Recreation Office has called for a meeting to be held at 3 o'clock Friday afternoon, May 2, at the Recreation Office, North Portal.

At least six teams will be required if this league is formed so all bowlers interested in the movement are asked to attend this session or to have a team representative on hand.

Y-12 Keglerettes Clinch Fourth Place

The Y-12 women's varsity bowling team is assured of fourth place in the Oak Ridge City League as a result of its whitewash triumph last Thursday night over the Oak Ridge National Laboratory keglerettes. The Y-12ers posted line scores of 690, 703, 643—2036; to 615, 587, 760—1962 for the Lab lassies.

Betty Whitehorn led the Y-12ers with 116, 161, 166—443. She was closely followed by Margaret O'Neal with 160, 147, 129—436. Then came Juanita Kirwan 146, 155, 122—423; Ruby McGinnis 116, 143, 123—382; and Mary Cusman 152, 97, 103—352.

"Insignificant," said the victim. "Infection," said the doctor. "Incredible," sighed the survivors. "In Peace," says the gravestone.

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Rides Wanted And Offered

Riders Wanted—From Loudon two teams fighting it out this week Lunsford, plant telephone 7339.

Safety Equipment Use Can Prevent Accidents

Continued from Page 1
hot metal popped out of the stirrer against the right lens of his safety goggles, with the result shown in another accompanying picture.

What hot metal could have done to an unprotected eye is something not nice to think about.

Y-12 officials and members of the Safety Department are encouraged by the improved record of accident prevention reflected in the figures for the first quarter of 1952. The records show a big decrease in accident rates from the same period last year. It is hoped that the trend will be continued throughout the year so that the health and welfare of every Y-12er and the efficiency of the plant may be furthered.

European Artists To Give Concert In Ridge May 6

Mischa Mischakoff, violinist; and Leopold Mittman, pianist; will be presented in the final concert of guest artists this season by the Oak Ridge Civic Music Association. The concert will be given at 8:15 o'clock Tuesday night, May 6, at the civic auditorium. Admission for ORCMA members will be by season ticket and tickets may also be obtained at the Music Box and at the box office on the night of the performance.

The two European artists will present a program of music for violin and piano by Beethoven, Brahms and Richard Strauss. Both artists have gained acclaim in concert halls of the United States as well as in Europe.

former Assistant Y-12 Superintendent in charge of Industrial Relations, Fire Chief John Hughey, G. C. Henderson, Safety Department; C. S. Huffman, Fire Department; Roy N. James, Training; T. A. McKenzie, former Superintendent of Plant Production; and many others.

All during the five years since Carbide has taken over, steps have been taken to acquaint Y-12ers with activities in other organizations throughout Union Carbide. Many news stories and pictures have been published in The Bulletin and the UCC booklet, Products and Processes, has been widely distributed in the plant.

After 1945 it was the deep hope of the world that peace would reign for years—but it was not to be. War clouds and unrest rose—and Y-12ers demonstrated their patriotism by joining various military organizations. Some were members of the Oak Ridge unit of the Tennessee National Guard, the 194th Engineer Combat Battalion. Others were chosen by selective service for other duty and a number enlisted in the various branches of service. On June 27, 1950, The Bulletin published an honor roll showing 30 former employees in uniform. Some of these have returned to work after discharge.

These are but a few of the highlights of the Y-12 history during the Carbide regime—but those published and unpublished reflect credit on employee and employer alike—with a high mutual regard on both sides.

May our next five years—10, 20 or 30, ad infinitum—be as pleasant.

The inquisitive child is fascinated by such things as machinery and tools. Teach your child how to handle them safely.

Report to supervision all unsafe conditions seen.

Klaus Fuchs Hands Harry Gold Vital Secret Of Atomic Bomb "Lens" To Send To Russia

Continued from Page 1
make good in this new spy-courier assignment.

Gold's life was made miserable during the long fall and early winter. But at the turn of the year his phone in Philadelphia rang and a quiet, precise, clipped voice on the other end—calling long distance—asked "Raymond?" It was Fuchs.

As full of joy as discretion, Gold rushed to Cambridge to see the man whom he later (in a confession) called "noble" and a "genius." On a frigid afternoon, in a bedroom of the Heineman house, Fuchs explained his disappearance. He had been assigned to Los Alamos, N. M., where the bomb itself was being fabricated.

"Lens" Secrets Are Bared

To the amazed Gold the spy revealed that the bomb—it was believed—could be made to explode by bringing together, inside the bomb casing, a number of "non-critical" masses of Uranium 235 or Plutonium, thus forming a critical mass that would explode with holocaustic might. This "trigger" device, he said, was called the "lens" and was so difficult to devise and perfect that it represented a sore bottleneck in the production of the first bomb.

At the moment they parted, as had been their custom, Fuchs handed Gold a fat envelope, and the most closely guarded secrets of the most secret laboratory on earth had started the trip to the Kremlin.

Gold Waits In Frenzy

Gold, who did not know how to get in touch with "John," bit his nails in frenzy, waiting for their scheduled February meeting in New York City. He proudly handed over the envelope Fuchs had

given to him the previous month. Yakovlev scanned it shrewdly and quickly, then returned it to his pocket for more careful reading. He demanded from Gold an account of their talks.

Gold painstakingly recreated his meeting with Fuchs, including mention of Fuchs' annoyance at having had to come all the way East to deliver the information, and his demand that thereafter Gold would have to travel to Santa Fe—with a meeting scheduled for the first Saturday in June, 1945, at 4 p. m., on the Castillo Street bridge.

"Lens" News Stirs Yakovlev

Then Gold mentioned the "lens" and Yakovlev reacted as if touched by a live wire. He whispered almost savagely that Gold must remember everything Fuchs had said about the "lens." Gold nervously told what he knew, but the Russian almost spit his derision.

What Gold did not know was that Yakovlev had come into possession, by way of Julius Rosenberg, who is now facing the electric chair, of an actual sketch of the sternly guarded "lens," including information about the type of explosives used to smash together the nuclear matter!

Reds Get Secret For \$500

To build that "lens" the United States had spent millions, and had retained what is believed to have been a majority of the finest precision tool workers in the country. The Russians, as we will see later, got it for \$500—and at least \$50 of that sum was returned to the United States Treasury by the purchase of a war bond!

(Next week: Gold Meets Fuchs twice in Santa Fe)

Attendance Record

MAJOR LEAGUE More Than 50 Employees Scheduled				
Dept.	Absent	4-20-52	Standing	4-13-52
2790	1.3	1	13	
2617	1.5	2	2	
2018	1.7	3	11	
2619	1.8	4	5	
2003	2.1	5	6	
2091	2.6	6	4	
2077	3.1	7	3	
2618	3.14	8	8	
2015	3.16	9	10	
2060	4.0	10	1	
2014	5.3	11	9	
2142	5.4	12	12	
2001	5.9	13	7	
2739	6.1	14	14	

Group absentee percentage was 3.3 per cent, same as the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled				
Dept.	Absent	4-20-52	Standing	4-13-52
2743	0.0	1	1	
2200	0.0	1	1	
2145	0.0	1	3	
2143	0.0	1	4	
2109	0.9	2	8	
2090	1.3	3	12	
2144	2.0	4	9	
2002	2.2	5	5	
2616	2.8	6	10	
2064	3.3	7	13	
2107	3.4	8	2	
2108	3.5	9	7	
2093	4.2	10	11	
2005	4.7	11	14	
2096	6.1	12	1	
2133	6.2	13	6	

Group absentee percentage was 3.6 per cent, .5 per cent higher than the preceding week.

The plant average for the week ending April 20 was 3.2 per cent, same as the preceding week.

Hart's 657 Sets Ridge Loop Record

Len Hart's sizzling 657 scratch series in the Oak Ridge City League bowling on April 21 set a new mark for the loop for high scoring although the Y-12 varsity team did not actually compete—drawing a forfeit from Simpson's. The Y-12ers are assured of second place in the standings but have little chance of going higher as the loop leading Friedman team took four points the same night to maintain their margin.

Take the safest route to work.

Ridge Women Planning Secretarial Group

Women employees of Y-12 interested in the formation of an Oak Ridge Chapter of the National Secretaries Association have been asked to communicate with Mrs. Dessie Gentry, telephone 5-1155, Oak Ridge, or Miss Helen Zang, telephone 5-5582, after 5 p. m. for information on the organization and plans for an organization meeting.

The association is a nationwide organization with more than 13,000 members in about 300 chapters. It is a non-profit, non-sectarian group with no affiliation with any other group.

Membership is limited to women who have had secretarial experience and at least two years of secretarial experience. Representatives of the Chattanooga Chapter will visit Oak Ridge to help in organizing a local chapter if sufficient interest is exhibited.

Instrument Group To Hear Talk On Electronic Topic

Charles J. Swartwout, director of research for the company bearing his name at Cleveland, Ohio, will speak at a meeting of the Oak Ridge Section of the Instrument Society of America next Wednesday night, May 7. The meeting will be held in the East Lounge of the Ridge Recreation Hall, starting at 7:30 o'clock, and all Y-12 members of the society are urged to attend. The meeting will be open to the public.

The subject of the Ohio scientist will be "Electronic Transmission and Control." Swartwout is a graduate of Case Institute of Technology at Cleveland, receiving a B.S. degree in electrical engineering in 1942. In 1947 he received a M.S. degree in electrical engineering from Massachusetts Institute of Technology and joined the Swartwout firm.

Y-12ers Will Observe Fifth Anniversary As Carbide Employees Next Sunday, May 4

Continued from Page 1

first honors. The scores posted by the two victorious Y-12 teams—one a woman's group and the other a Fire Department team—of 1,498 points has not been topped in the annual contest.

In national fire protection contests—now discontinued as far as Oak Ridge Carbide units are concerned—Y-12 tied for first place with K-25 one year and finished a close second to K-25 another.

That's just an example of the trend of action in Y-12 along safety lines.

Tops In Civic Work

Y-12ers take their hats off to no organization in support of Oak Ridge civic activities. Probably tops in community support was the one-day Red Cross campaign this year when the goal was reached in record time and the plant was first to report its quota raised for the fifth consecutive year. The same gesture of generosity applied during Community Chest drives as for four straight years Y-12ers have led groups of comparable size in the city in reporting "over the top."

In church, school, lodge and other civic group activities Y-12ers can nearly always be found right in the forefront.

Of course, Y-12 scientific progress also has been steady. Probably the outstanding announcements of the many and varied developments here were those that stable isotopes were being produced and distributed by the Isotope Research and Production Division and the assembly of the 86-inch cyclotron in the plant area. The stable isotope program was announced December 9, 1947, and on January 20, 1948, the first shipments were made to Ohio State University. The cyclotron operations were announced February 22, 1949.

Y-12 Host To Scientists

Y-12ers have participated in several nationwide scientific meetings and have been hosts to two important sessions right here in Oak Ridge. On March 24 and 25, 1949, the plant entertained several hundred scientists at the first spectroscopy symposium attended by noted scientists and members of the Atomic Energy Commission. The meeting was sponsored by the three Carbide units in Oak Ridge. On October 17, 18 and 19, 1949, the general information meeting of the AEC was held with Y-12 as headquarters and also sponsored by Carbide. AEC personnel from all over the nation were among the approximately 500 persons attending the meeting.

Y-12 also participated with the other Carbide facilities in Oak Ridge in the Company atomic energy exhibit at the New York Golden Anniversary celebration in the summer of 1948, witnessed by hundreds of thousands of spectators. This display and other exhibits in the New York show were brought to Oak Ridge in October of the same year for an eight-day stand in the big AEC warehouse near Elza Gate, also visited by capacity crowds.

Back in April, 1947, TEC and Carbide began conversations with Y-12ers on the subject of future employment. Every Y-12 employee was interviewed and told of Carbide benefits and employment policies. Among other privileges,

Y-12ers were offered full Carbide Company Service for time worked in Oak Ridge under TEC. Of approximately 2,400 interviewed, 98 per cent elected to remain with Y-12 under Carbide.

Employment Sags, Recovers

There were 2,344 persons on the Y-12 payroll as of May 4, 1947. In September of that year Superintendent Rucker said that because progress of the research and development program of Y-12 had shown certain chemical operations to be obsolete, a curtailment of employment was necessary. As a result of this move the employment eventually dropped to 1,657 in January, 1950. However, a steady recovery soon was started as the plant "started back in business" and the latest figures of April 18, 1952, showed 3,676 Y-12ers on the job.

Throughout the past five years Y-12ers have enjoyed the many employee benefits of Union Carbide and Carbon Corporation, of which Carbide and Carbon Chemicals Company is a division. The Savings Plan has resulted in Y-12ers drawing handsome checks for a period of two years of savings, increased substantially by Company contributions, on two occasions. The Group Insurance Plan has returned hundreds of thousands of dollars in claims for accidents, illnesses and deaths plus the annual dividend payments. Many Y-12ers are enrolled in the Company Pension Plan. The hospital and surgical services available under the hospitalization insurance have been of great benefit to many others at low cost.

Recreation Program Attractive

One important service provided by the Company that has brought many Y-12ers together in closer ties—socially and competitively—is the recreation program. Year-around intra-plant activities in seasonal sports is offered—such as bowling, softball, golf, tennis, rifle and pistol shooting, basketball and other sports in which employees have indicated interest. To spur friendly rivalry among Y-12ers, the Company has offered handsome trophies to winners in tournaments. In so-called "varsity" competition, Y-12ers have more than held their own against high grade opposition over the years, as is attested by the big collection of trophies on display at the Recreation Office.

However, the recreation program has not been limited to competitive sports. The annual Y-12 Christmas dance-parties and the Christmas parties for children of Y-12ers always have been popular and well attended. Other features of the program include providing picnic "tools," such as horseshoes, badminton sets and softball equipment. Even vacation travel information is available.

Interest By Company Shown

All of these and other benefits are an example of the wholesome attitude of the Company towards its employees—on the premise that a healthy and happy employee is a sound investment and loyal worker.

The regard for Y-12ers by the Company is exhibited by the fact that several have been transferred to the new Paducah, Ky., Carbide Plant in the early days of activities there. They include E. C. Cain,